

Schreiber, David

88098

From: Ramirez, Delia
Sent: Thursday, February 27, 2003 7:05 PM
To: Schreiber, David
Subject: case 09/720451

Hi David,

I was wondering if you could do an alignment for me. I need seq id 6 (protein) aligned against seq id 5 (DNA). Both are sequences from the same case.

Thank you,
Delia

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
1911 S. Clark Street, Crystal Mall 1, 10D06, Mail room 10D01
Arlington, VA 22202
(703) 306-0288
delia.ramirez@uspto.gov

=> d his

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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
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CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:33:38 ON
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SEA DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

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L1 QUE DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

FILE 'BIOTECHDS, BIOSIS, SCISEARCH, TOXCENTER, BIOTECHNO, PASCAL,
USPATFULL, EMBASE, MEDLINE, CAPLUS, GENBANK, CABA, ESBIODBASE, LIFESCI'
ENTERED AT 11:36:21 ON 27 FEB 2003

L2 5041 S DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE? OR AROMA?)
L3 1169 S L2 AND (MUTAT? OR MUTAGENES? OR SUBSTIT?)
L4 365 S L3 AND (ALPH? OR (LARG?(S)SUBUN?(S)TERMIN?))
L5 305 DUP REM L4 (60 DUPLICATES REMOVED)
L6 3711 S DIOXYGENAS?(S)(ALPH? OR LARG?(S)SUBUNI?)
L7 659 S L6 (S) (MUTA? OR SUBSTITU?)
L8 219 S L7 (S) (NAPHT? OR TOLUEN? OR PHENY? OR AROMA?)
L9 59 DUP REM L8 (160 DUPLICATES REMOVED)

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NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
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NEWS	9	Jun 03	New e-mail delivery for search results now available
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NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
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NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS	40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	43	Feb 13	CANCERLIT is no longer being updated
NEWS	44	Feb 24	METADEX enhancements
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NEWS	47	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	48	Feb 26	PCTFULL now contains images

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
 CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
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68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> s dioxygenas? and bacter? and (naphthale? or tolue?)

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L1 QUE DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

=> d rank

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=> s dioxygenas? and bacter? and (naphthale? or tolue? or aroma?)

7 FILES SEARCHED...

L2 5041 DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE? OR AROMA?)

=> s l2 and (mutat? or mutagenes? or substit?)

L3 1169 L2 AND (MUTAT? OR MUTAGENES? OR SUBSTIT?)

<-----User Break----->

SEARCH ENDED BY USER

SEARCH ENDED BY USER

=> s l3 and (alph? or (larg?(s)subun?(s)termin?))

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6 FILES SEARCHED...
L4      365 L3 AND (ALPH? OR (LARG?(S) SUBUN?(S) TERMIN?))

=> dup rem
ENTER L# LIST OR (END):14
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L4
L5      305 DUP REM L4 (60 DUPLICATES REMOVED)

=> s dioxygenas?(s)(alph? or larg?(s)subuni?)
UNMATCHED RIGHT PARENTHESIS 'SUBUNI?)'
The number of right parentheses in a query must be equal to the
number of left parentheses.

=> s dioxygenas?(s)(alph? or larg?(s)subuni?)
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L6      3711 DIOXYGENAS?(S)(ALPH? OR LARG?(S) SUBUNI?)

=> s l6 (s) (muta? or substitu?)
6 FILES SEARCHED...
L7      659 L6 (S) (MUTA? OR SUBSTITU?)

=> s l7 (s) (napht? or toluen? or pheny? or aroma?)
6 FILES SEARCHED...
13 FILES SEARCHED...
L8      219 L7 (S) (NAPHT? OR TOLUEN? OR PHENY? OR AROMA?)

=> dup rem l8
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L8
L9      59 DUP REM L8 (160 DUPLICATES REMOVED)

=> d ti l9 1-59

L9      ANSWER 1 OF 59  USPATFULL
TI      Novel polypeptides and methods for their use

L9      ANSWER 2 OF 59  USPATFULL
TI      Methods for the inhibition of epstein-barr virus transmission employing
        anti-viral peptides capable of abrogating viral fusion and transmission

L9      ANSWER 3 OF 59      MEDLINE
TI      (4-Hydroxyphenyl)pyruvate Dioxygenase from Streptomyces avermitilis: The
        Basis for Ordered Substrate Addition.

L9      ANSWER 4 OF 59  USPATFULL
TI      Novel Polynucleotides

L9      ANSWER 5 OF 59  USPATFULL
TI      Stress-regulated genes of plants, transgenic plants containing same, and
        methods of use

L9      ANSWER 6 OF 59  USPATFULL
TI      Rapid quantitative analysis of proteins or protein function in complex
        mixtures

L9      ANSWER 7 OF 59  USPATFULL
TI      Methods for inhibition of membrane fusion-associated events, including
        respiratory syncytial virus transmission

L9      ANSWER 8 OF 59  BIOSIS  COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
1
TI      Probing the 2,4-dichlorophenoxyacetate/alpha-ketoglutarate dioxygenase

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substrate-binding site by site-directed mutagenesis and mechanism-based inactivation.

- L9 ANSWER 9 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
2
TI X-ray crystal structure of Escherichia coli taurine/alpha-ketoglutarate dioxygenase complexed to ferrous iron and substrates.
- L9 ANSWER 10 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Plasmid-borne genes code for an angular dioxygenase involved in dibenzofuran degradation by Terrabacter sp strain YK3;
gene cloning using a degenerate set of polymerase chain reaction primers for pollutant degradation
- L9 ANSWER 11 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
4
TI Alteration of regiospecificity in biphenyl dioxygenase by active-site engineering.
- L9 ANSWER 12 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5
TI 4-chlorocatechol 1,2-dioxygenase from the chlorophenol-utilizing Gram-positive Rhodococcus opacus 1CP: Crystallization and preliminary crystallographic analysis.
- L9 ANSWER 13 OF 59 USPATFULL
TI Screening method for the discovery and directed evolution of oxygenase enzymes
- L9 ANSWER 14 OF 59 USPATFULL
TI Methods for controlling cell death in plants
- L9 ANSWER 15 OF 59 USPATFULL
TI Polypeptide compositions for controlling cell death and disease resistance in plants
- L9 ANSWER 16 OF 59 USPATFULL
TI Human respiratory syncytial virus peptides with antifusogenic and antiviral activities
- L9 ANSWER 17 OF 59 USPATFULL
TI Nucleic acids from maize encoding proteins which suppress plant cell death
- L9 ANSWER 18 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI Directed evolution of biphenyl dioxygenase: Emergence of enhanced degradation capacity for benzene, toluene, and alkylbenzenes.
- L9 ANSWER 19 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Biotransformation of various substituted aromatic compounds to chiral dihydrodihydroxy derivatives;
stereospecific dihydrodiol production using Escherichia coli expressing the chlorobenzene-dioxygenase from Pseudomonas sp.
- L9 ANSWER 20 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Molecular and biochemical characterization of polycyclic aromatic degradation by Sphingomonas paucimobilis.
- L9 ANSWER 21 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Effects of multiple mutations at the active site of naphthalene dioxygenase.
- L9 ANSWER 22 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
8

TI Alternative substrates of 2,4-dichlorophenoxyacetate/alpha-ketoglutarate dioxygenase.

L9 ANSWER 23 OF 59 TOXCENTER COPYRIGHT 2003 ACS DUPLICATE 9
 TI Naphthalene dioxygenase .alpha.-subunit variants with modified enantioselectivities and their use for the biotransformation of aromatic compound to dihydrodihydroxy compounds

L9 ANSWER 24 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 TI Novel naphthalene-dioxygenase mutant having a specific amino acid substitution for preparing chiral diols for use in the polymer, resin, pharmaceutical or rubber industry and for carrying out bioremediation; recombinant enzyme production for use in stereospecific chemical production

L9 ANSWER 25 OF 59 USPATFULL
 TI Nucleic acid sequence of senescence associated gene

L9 ANSWER 26 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 10
 TI Regioselectivity and enantioselectivity of naphthalene dioxygenase during arene cis-dihydroxylation: Control by phenylalanine 352 in the alpha subunit.

L9 ANSWER 27 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 11
 TI Genetic investigation of the catabolic pathway for degradation of abietane diterpenoids by *Pseudomonas abietaniphila* BKME-9.

L9 ANSWER 28 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 12
 TI Crystal structure of human homogentisate dioxygenase.

L9 ANSWER 29 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 13
 TI Substitution, insertion, deletion, suppression, and altered substrate specificity in functional protocatechuate 3,4-dioxygenases.

L9 ANSWER 30 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 14
 TI A novel aromatic-ring-hydroxylating dioxygenase from the diterpenoid-degrading bacterium *Pseudomonas abietaniphila* BKME-9.

L9 ANSWER 31 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 15
 TI Aspartate 205 in the catalytic domain of naphthalene dioxygenase is essential for activity.

L9 ANSWER 32 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 16
 TI *Beijerinckia* sp strain B1: A strain by any other name.

L9 ANSWER 33 OF 59 USPATFULL
 TI CIS-dihydroxycyclohexadienes and their preparation

L9 ANSWER 34 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 17
 TI Identification of chlorobenzene dioxygenase sequence elements involved in dechlorination of 1,2,4,5-tetrachlorobenzene.

L9 ANSWER 35 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 18
 TI A gene cluster encoding steps in conversion of naphthalene to gentisate in *Pseudomonas* sp. strain U2.

- L9 ANSWER 36 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
19
TI The axial tyrosinate Fe³⁺ ligand in protocatechuate 3,4-dioxygenase
influences substrate binding and product release: Evidence for new
reaction cycle intermediates.
- L9 ANSWER 37 OF 59 TOXCENTER COPYRIGHT 2003 ACS DUPLICATE 20
TI Engineering microorganisms capable of efficient degradation of chlorinated
environmental pollutants
- L9 ANSWER 38 OF 59 CABA COPYRIGHT 2003 CABI
TI Microbial degradation of aromatic compounds: aerobic versus anaerobic
processes.
- L9 ANSWER 39 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
21
TI Alkene monooxygenase from Xanthobacter strain Py2: Purification and
characterization of a four-component system central to the bacterial
metabolism of aliphatic alkenes.
- L9 ANSWER 40 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Functional analysis of genes involved in monocyclic and polycyclic
aromatic hydrocarbon degradation by *Sphingomonas yanoikuyae* B1;
m-xylene degradation, biphenyl degradation, naphthalene degradation
and phenanthrene degradation (conference abstract)
- L9 ANSWER 41 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
22
TI Production of substituted naphthalene dihydrodiols by engineered
Escherichia coli containing the cloned naphthalene 1,2-dioxygenase gene
from *Pseudomonas fluorescens* N3.
- L9 ANSWER 42 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Construction and expression of hybrid dioxygenases: comparison of
oxidation products formed;
naphthalene-1,2-dioxygenase and 2,4-dinitrotoluene-dioxygenase
expression, for naphthalene, 2-nitrotoluene and 2,4-dinitrotoluene
degradation (conference abstract)
- L9 ANSWER 43 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
23
TI The cis-diol dehydrogenase *cbaC* gene of Tn5271 is required for growth on
3-chlorobenzoate but not 3,4-dichlorobenzoate.
- L9 ANSWER 44 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI Characterization of an intradiol-dioxygenase involved in the
biodegradation of the chlorophenoxy herbicides 2,4-D and 2,4,5-T;
Nocardioides simplex hydroxyquinol-1,2-dioxygenase characterization;
pesticide degradation
- L9 ANSWER 45 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
25
TI Cloning, overexpression, and mutagenesis of the gene for
homoprotocatechuate 2,3-dioxygenase from *Brevibacterium fuscum*.
- L9 ANSWER 46 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
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TI Site-directed **mutagenesis** of conserved amino acids in the
alpha subunit of **toluene dioxygenase**:
Potential mononuclear non-heme iron coordination sites.
- L9 ANSWER 47 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
TI 2-Aminophenol-1,6-dioxygenase: a novel aromatic ring-cleavage enzyme
purified from *Pseudomonas pseudoalcaligenes* JS45;
2-aminophenol degradation (conference abstract)

L9 ANSWER 48 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 TI Site-directed **mutagenesis** of conserved residues in the
alpha subunit of **toluene dioxygenase**:
 Potential mononuclear non-heme iron coordination sites.

L9 ANSWER 49 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 27
 TI Cloning, sequencing, and expression of the *Pseudomonas putida*
 protocatechuate 3,4-dioxygenase genes.

L9 ANSWER 50 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 28
 TI Gene components responsible for discrete substrate specificity in the
 metabolism of biphenyl (bph operon) and toluene (tod operon).

L9 ANSWER 51 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 TI Catechols of novel substrates produced using the toluene ring oxidation
 pathway of *Pseudomonas* sp. strain T-12;
 production of 2,3-dihydroxy catechol derivatives of substituted
 benzene substrates

L9 ANSWER 52 OF 59 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT AND ISI
 TI Toluene degradation by *Pseudomonas putida* F1: genetic organization of the
 tod operon;
 generation of Tn5 insertional mutations in the *Pseudomonas putida* F1
 chromosome

L9 ANSWER 53 OF 59 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
 30
 TI METABOLISM OF TRYPTOPHAN BY *PSEUDOMONAS-AUREOFACIENS* AND ITS RELATIONSHIP
 TO PYRROLNITRIN BIOSYNTHESIS.

L9 ANSWER 54 OF 59 LIFESCI COPYRIGHT 2003 CSA
 TI Metabolism of Tryptophan by *Pseudomonas aureofaciens* and its Relationship
 to Pyrrolnitritin Biosynthesis

L9 ANSWER 55 OF 59 GENBANK.RTM. COPYRIGHT 2003
 TITLE (TI): Complete genome sequence and comparative analysis of
 the metabolically versatile *Pseudomonas putida* KT2440
 TITLE (TI): Direct Submission

L9 ANSWER 56 OF 59 GENBANK.RTM. COPYRIGHT 2003
 TITLE (TI): Complete genome sequence of the model actinomycete
Streptomyces coelicolor A3(2)
 TITLE (TI): Direct Submission

L9 ANSWER 57 OF 59 GENBANK.RTM. COPYRIGHT 2003
 TITLE (TI): Genome sequence of *Yersinia pestis*, the causative agent
 of plague
 TITLE (TI): Direct Submission

L9 ANSWER 58 OF 59 GENBANK.RTM. COPYRIGHT 2003
 TITLE (TI): The genome sequence of the thermoacidophilic scavenger
Thermoplasma acidophilum
 TITLE (TI): Direct Submission

L9 ANSWER 59 OF 59 GENBANK.RTM. COPYRIGHT 2003
 TITLE (TI): The genome sequence of the thermoacidophilic scavenger
Thermoplasma acidophilum

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SEA DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

25 FILE AGRICOLA
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212 FILE EMBASE
108 FILE ESBIODBASE
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2 FILE FROSTI
199 FILE GENBANK
3 FILE HEALSAFE
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6 FILE JICST-EPLUS
106 FILE LIFESCI
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8 FILE NTIS
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214 FILE USPATFULL
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3 FILE WPINDEX
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L1 QUE DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE?)

FILE 'BIOTECHDS, BIOSIS, SCISEARCH, TOXCENTER, BIOTECHNO, PASCAL, USPATFULL, EMBASE, MEDLINE, CAPLUS, GENBANK, CABA, ESBIODBASE, LIFESCI' ENTERED AT 11:36:21 ON 27 FEB 2003

L2 5041 S DIOXYGENAS? AND BACTER? AND (NAPHTHALE? OR TOLUE? OR AROMA?)
L3 1169 S L2 AND (MUTAT? OR MUTAGENES? OR SUBSTIT?)
L4 365 S L3 AND (ALPH? OR (LARG?(S) SUBUN?(S) TERMIN?))
L5 305 DUP REM L4 (60 DUPLICATES REMOVED)
L6 3711 S DIOXYGENAS?(S) (ALPH? OR LARG?(S) SUBUNI?)
L7 659 S L6 (S) (MUTA? OR SUBSTITU?)
L8 219 S L7 (S) (NAPHT? OR TOLUEN? OR PHENY? OR AROMA?)

WEST[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)[Preferences](#)[Cases](#)**Search Results -**

Terms	Documents
(parales.in. or gibson.in. or resnick.in. or kyoung.in.) and l3	1

Database: US Patents Full-Text Database ▲
US Pre-Grant Publication Full-Text Database
JPO Abstracts Database
EPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins ▼

Search:

L5 ▲
▼

[Refine Search](#)[Recall Text](#)[Clear](#)**Search History**DATE: Thursday, February 27, 2003 [Printable Copy](#) [Create Case](#)**Set Name Query**

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR

<u>L5</u>	(parales.in. or gibson.in. or resnick.in. or kyoung.in.) and l3	1	<u>L5</u>
<u>L4</u>	dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38	<u>L4</u>
<u>L3</u>	alph\$3 and L2	120	<u>L3</u>
<u>L2</u>	(muta\$7 or substitut\$3) and L1	205	<u>L2</u>
<u>L1</u>	dioxygenas\$3 and (toluen\$3 or naphthal\$4) and bacter\$3	218	<u>L1</u>

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 38 returned.**☐ 1. Document ID: US 20030022335 A1

L4: Entry 1 of 38

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030022335

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030022335 A1

TITLE: Novel polypeptides and methods for their use

PUBLICATION-DATE: January 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Parales, Rebecca	Iowa City	IA	US	
Gibson, David	Iowa City	IA	US	
Resnick, Sol	Encinitas	CA	US	
Lee, Kyoung	Kyongnam		KR	

US-CL-CURRENT: 435/190; 435/320.1, 435/325, 435/69.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc
Image												

☐ 2. Document ID: US 20020119462 A1

L4: Entry 2 of 38

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119462

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020119462 A1

TITLE: Molecular toxicology modeling

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mendrick, Donna L.	Mount Airy	MD	US	
Porter, Mark W.	Germantown	MD	US	
Johnson, Kory R.	Bethesda	MD	US	
Castle, Arthur L.	Washington	DC	US	
Elashoff, Michael R.	Germantown	MD	US	

US-CL-CURRENT: 435/6; 702/20

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc
Image												

☐ 3. Document ID: US 20020111500 A1

L4: Entry 3 of 38

File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020111500

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020111500 A1

TITLE: Preparation of 4-hydroxy-3[2H]-furanones

PUBLICATION-DATE: August 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Selifonov, Sergey A.	Plymouth	MN	US	
Newman, Lisa M.	Sunnyvale	CA	US	

US-CL-CURRENT: 549/477; 435/126

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc
Image												

☐ 4. Document ID: US 20020028444 A1

L4: Entry 4 of 38

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028444

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028444 A1

TITLE: METHOD AND KITS FOR PREPARING MULTICOMPONENT NUCLEIC ACID CONSTRUCTS

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
HARNEY, PETER D.	ALISO VIEJO	CA	US	
HARNEY, JENNIFER	ALISO VIEJO	CA	US	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Desc
Image												

☐ 5. Document ID: US 20020025517 A1

L4: Entry 5 of 38

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025517

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025517 A1

TITLE: METHODS AND COMPOSITIONS FOR CELLULAR AND METABOLIC ENGINEERING

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
MINSHULL, JEREMY	SAN FRANCISCO	CA	US	
STEMMER, WILLEM P. C.	LOS GATOS	CA	US	

US-CL-CURRENT: 435/6; 435/91.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

☐ 6. Document ID: US 20010055786 A1

L4: Entry 6 of 38

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010055786

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010055786 A1

TITLE: Screening method for the discovery and directed evolution of oxygenase enzymes

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Arnold, Frances H.	Pasadena	CA	US	
Joern, John	Pasadena	CA	US	
Sakamoto, Takeshi	Machidashi	CA	JP	
Schwaneberg, Ulrich	Pasadena		US	

US-CL-CURRENT: 435/25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

☐ 7. Document ID: US 20010013135 A1

L4: Entry 7 of 38

File: PGPB

Aug 9, 2001

PGPUB-DOCUMENT-NUMBER: 20010013135

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010013135 A1

TITLE: Methods for controlling cell death in plants

PUBLICATION-DATE: August 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Briggs, Steven P.	Des Moines	IA	US	
Johal, Gurmukh S.	Columbia	MO	US	
Gray, John	Cork City		IE	

US-CL-CURRENT: 800/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

☐ 8. Document ID: US 20010012886 A1

L4: Entry 8 of 38

File: PGPB

Aug 9, 2001

PGPUB-DOCUMENT-NUMBER: 20010012886
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010012886 A1

TITLE: Polypeptide compositions for controlling cell death and disease resistance in plants

PUBLICATION-DATE: August 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Briggs, Steven P.	Des Moines	IA	US	
Johal, Gurmukh S.	Columbia	MO	US	
Gray, John	Cork City		IE	

US-CL-CURRENT: 530/370

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Draw Desc
Image											

☐ 9. Document ID: US 6518013 B1

L4: Entry 9 of 38

File: USPT

Feb 11, 2003

US-PAT-NO: 6518013
DOCUMENT-IDENTIFIER: US 6518013 B1

TITLE: Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 424/230.1, 530/300, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KMIC	Draw Desc
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☐ 10. Document ID: US 6495318 B2

L4: Entry 10 of 38

File: USPT

Dec 17, 2002

US-PAT-NO: 6495318

DOCUMENT-IDENTIFIER: US 6495318 B2

TITLE: Method and kits for preparing multicomponent nucleic acid constructs

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harney; Peter D.	late of Aliso Viejo	CA		

US-CL-CURRENT: 435/6; 435/254.2, 435/320.1, 435/91.1, 435/91.2, 536/22.1, 536/24.3, 536/24.33, 536/24.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KMIC	Draw Desc
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Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

Display Format:

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 20 of 38 returned.**☐ 11. Document ID: US 6479055 B1

L4: Entry 11 of 38

File: USPT

Nov 12, 2002

US-PAT-NO: 6479055

DOCUMENT-IDENTIFIER: US 6479055 B1

TITLE: Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolognesi; Dani Paul	Durham	NC		
Matthews; Thomas James	Durham	NC		
Wild; Carl T.	Durham	NC		
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

US-CL-CURRENT: [424/211.1](#); [424/186.1](#), [530/324](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC	Draw Desc
Image											

☐ 12. Document ID: US 6465410 B1

L4: Entry 12 of 38

File: USPT

Oct 15, 2002

US-PAT-NO: 6465410

DOCUMENT-IDENTIFIER: US 6465410 B1

TITLE: Laundry detergent and/or fabric care composition comprising a modified antimicrobial protein

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bettiol; Jean-Luc Philippe	Brussels			BE
Smets; Johan	Lubbeek			BE
Boyer; Stanton Lane	Fairfield	OH		

US-CL-CURRENT: [510/392](#); [435/188](#), [435/68.1](#), [435/69.1](#), [435/7.1](#), [510/276](#), [510/305](#),

510/312, 510/320, 510/374

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 13. Document ID: US 6391640 B1

L4: Entry 13 of 38

File: USPT

May 21, 2002

US-PAT-NO: 6391640

DOCUMENT-IDENTIFIER: US 6391640 B1

TITLE: Methods and compositions for cellular and metabolic engineering

DATE-ISSUED: May 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minshull; Jeremy	San Francisco	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 435/91.2, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 14. Document ID: US 6309883 B1

L4: Entry 14 of 38

File: USPT

Oct 30, 2001

US-PAT-NO: 6309883

DOCUMENT-IDENTIFIER: US 6309883 B1

TITLE: Methods and compositions for cellular and metabolic engineering

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minshull; Jeremy	San Francisco	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/440; 435/6, 536/23.1, 536/24.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 15. Document ID: US 6303354 B1

L4: Entry 15 of 38

File: USPT

Oct 16, 2001

US-PAT-NO: 6303354

DOCUMENT-IDENTIFIER: US 6303354 B1

TITLE: Microbial production of indigo

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weyler; Walter	San Francisco	CA		
Dodge; Timothy C.	Rochester	NY		
Lauff; John J.	Rochester	NY		
Wendt; Dan J.	San Mateo	CA		

US-CL-CURRENT: [435/170](#); [435/121](#), [435/195](#), [435/41](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 16. Document ID: US 6265162 B1

L4: Entry 16 of 38

File: USPT

Jul 24, 2001

US-PAT-NO: 6265162

DOCUMENT-IDENTIFIER: US 6265162 B1

TITLE: Method of identifying, detecting and monitoring microorganisms by an aromatic ring hydroxylase dioxygenase gene

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoaki; Toshihiro	Chiba			JP
Suzuki; Asaka	Chiba			JP

US-CL-CURRENT: [435/6](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 17. Document ID: US 6228983 B1

L4: Entry 17 of 38

File: USPT

May 8, 2001

US-PAT-NO: 6228983

DOCUMENT-IDENTIFIER: US 6228983 B1

TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/211.1, 530/324, 530/325, 530/326

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMCM	Draw Desc
Image											

☐ 18. Document ID: US 6211437 B1

L4: Entry 18 of 38

File: USPT

Apr 3, 2001

US-PAT-NO: 6211437

DOCUMENT-IDENTIFIER: US 6211437 B1

TITLE: Nucleic acids from maize encoding proteins which suppress plant cell death

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Briggs; Steven P.	Des Moines	IA		
Johal; Gurmukh S.	Columbia	MO		
Gray; John	Cork			IE

US-CL-CURRENT: 800/298; 435/320.1, 536/23.6, 800/278

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMCM	Draw Desc
Image											

☐ 19. Document ID: US 6190892 B1

L4: Entry 19 of 38

File: USPT

Feb 20, 2001

US-PAT-NO: 6190892

DOCUMENT-IDENTIFIER: US 6190892 B1

TITLE: Microbial production of indigo

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weyler; Walter	San Francisco	CA		
Dodge; Timothy C.	Rochester	NY		
Lauff; John J.	Rochester	NY		
Wendt; Dan J.	San Mateo	CA		

US-CL-CURRENT: 435/170; 435/195, 435/252.3, 435/252.33, 435/320.1, 435/41, 435/440, 435/455, 435/69.1, 536/23.1, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 20. Document ID: US 6093794 A

L4: Entry 20 of 38

File: USPT

Jul 25, 2000

US-PAT-NO: 6093794

DOCUMENT-IDENTIFIER: US 6093794 A

TITLE: Isolated peptides derived from the Epstein-Barr virus containing fusion inhibitory domains

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/230.1, 530/324, 530/325, 530/326, 530/350

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

Display Format:

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 21 through 30 of 38 returned.**☐ **21. Document ID: US 6090593 A**

L4: Entry 21 of 38

File: USPT

Jul 18, 2000

US-PAT-NO: 6090593

DOCUMENT-IDENTIFIER: US 6090593 A

TITLE: Isolation of expressed genes in microorganisms

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fleming; James T.	Knoxville	TN		
Sayler; Gary S.	Blaine	TN		

US-CL-CURRENT: 435/91.2; 435/6, 435/91.1, 435/91.21, 536/23.1, 536/23.2, 536/23.7, 536/24.33

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

☐ **22. Document ID: US 6068973 A**

L4: Entry 22 of 38

File: USPT

May 30, 2000

US-PAT-NO: 6068973

DOCUMENT-IDENTIFIER: US 6068973 A

TITLE: Methods for inhibition of membrane fusion-associated events, including influenza virus

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 424/147.1, 424/206.1, 424/230.1, 530/324, 530/389.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KIMC	Draw Desc
Image											

☐ 23. Document ID: US 6060065 A

L4: Entry 23 of 38

File: USPT

May 9, 2000

US-PAT-NO: 6060065

DOCUMENT-IDENTIFIER: US 6060065 A

TITLE: Compositions for inhibition of membrane fusion-associated events, including influenza virus transmission

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/209.1; 424/186.1, 424/192.1, 424/206.1, 530/300, 530/324, 530/325, 530/326, 530/327, 530/328, 530/329, 530/330

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 24. Document ID: US 6054265 A

L4: Entry 24 of 38

File: USPT

Apr 25, 2000

US-PAT-NO: 6054265

DOCUMENT-IDENTIFIER: US 6054265 A

TITLE: Screening assays for compounds that inhibit membrane fusion-associated events

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway, Jr.; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 435/7.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 25. Document ID: US 6017536 A

L4: Entry 25 of 38

File: USPT

Jan 25, 2000

US-PAT-NO: 6017536

DOCUMENT-IDENTIFIER: US 6017536 A

TITLE: Simian immunodeficiency virus peptides with antifusogenic and antiviral

activities

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

US-CL-CURRENT: [424/188.1](#); [424/208.1](#), [530/300](#), [530/324](#), [530/325](#), [530/326](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 26. Document ID: US 6013263 A

L4: Entry 26 of 38

File: USPT

Jan 11, 2000

US-PAT-NO: 6013263

DOCUMENT-IDENTIFIER: US 6013263 A

TITLE: Measles virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: [424/212.1](#); [424/184.1](#), [424/186.1](#), [530/300](#), [530/324](#), [530/325](#), [530/326](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KVMC	Draw Desc
Image											

☐ 27. Document ID: US 5925806 A

L4: Entry 27 of 38

File: USPT

Jul 20, 1999

US-PAT-NO: 5925806

DOCUMENT-IDENTIFIER: US 5925806 A

TITLE: Controlled expression of transgenic constructs in plant plastids

DATE-ISSUED: July 20, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McBride; Kevin E.	Davis	CA	95616	
Stalker; David M.	Davis	CA	95616	

US-CL-CURRENT: 800/298; 435/320.1, 435/419, 536/23.2, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 28. Document ID: US 5866396 A

L4: Entry 28 of 38

File: USPT

Feb 2, 1999

US-PAT-NO: 5866396

DOCUMENT-IDENTIFIER: US 5866396 A

TITLE: Microbial production of indigo

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weyler; Walter	San Francisco	CA	94131	
Dodge; Timothy C.	Rochester	NY	14617	
Lauff; John J.	Rochester	NY	14612	
Wendt; Dan J.	San Mateo	CA	94401	

US-CL-CURRENT: 435/195; 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 29. Document ID: US 5837458 A

L4: Entry 29 of 38

File: USPT

Nov 17, 1998

US-PAT-NO: 5837458

DOCUMENT-IDENTIFIER: US 5837458 A

TITLE: Methods and compositions for cellular and metabolic engineering

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Minshull; Jeremy	San Francisco	CA		
Stemmer; Willem P. C.	Los Gatos	CA		

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Image									

KWIC	Draw Desc
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☐ 30. Document ID: US 5763689 A

L4: Entry 30 of 38

File: USPT

Jun 9, 1998

US-PAT-NO: 5763689

DOCUMENT-IDENTIFIER: US 5763689 A

TITLE: CIS-dihydroxycyclohexadienes and their preparation

DATE-ISSUED: June 9, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boyd; Derek R.	Belfast			GB
Dalton; Howard	Coventry			GB

US-CL-CURRENT: 568/832; 568/823

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

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Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 31 through 38 of 38 returned.**☐ 31. Document ID: US 5576198 A

L4: Entry 31 of 38

File: USPT

Nov 19, 1996

US-PAT-NO: 5576198

DOCUMENT-IDENTIFIER: US 5576198 A

TITLE: Controlled expression of transgenic constructs in plant plastids

DATE-ISSUED: November 19, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
McBride; Kevin E.	Davis	CA		
Stalker; David M.	Davis	CA		

US-CL-CURRENT: 435/91.3; 435/419, 800/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 32. Document ID: US 5494816 A

L4: Entry 32 of 38

File: USPT

Feb 27, 1996

US-PAT-NO: 5494816

DOCUMENT-IDENTIFIER: US 5494816 A

TITLE: Enhanced indole biosynthesis

DATE-ISSUED: February 27, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murdock; Douglas C.	Thousand Oaks	CA		

US-CL-CURRENT: 435/183; 435/122, 435/156, 435/252.3, 435/252.33, 435/252.34,
435/320.1, 435/69.1, 435/71.1, 536/22.1, 536/23.1, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

☐ 33. Document ID: US 5374543 A

L4: Entry 33 of 38

File: USPT

Dec 20, 1994

US-PAT-NO: 5374543

DOCUMENT-IDENTIFIER: US 5374543 A

TITLE: Enhanced indole biosynthesis

DATE-ISSUED: December 20, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Murdock; Douglas C.	Thousand Oaks	CA		

US-CL-CURRENT: 435/122; 435/156, 435/252.3, 435/252.33, 435/252.34, 435/320.1,
435/414, 435/419, 435/69.1, 435/71.1, 536/22.1, 536/23.1, 536/23.2, 536/23.7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC	Draw Desc
Image											

☐ 34. Document ID: US 5278057 A

L4: Entry 34 of 38

File: USPT

Jan 11, 1994

US-PAT-NO: 5278057

DOCUMENT-IDENTIFIER: US 5278057 A

TITLE: Transformation of plants to introduce closely linked markers

DATE-ISSUED: January 11, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jorgensen; Richard A.	Berkeley	CA		

US-CL-CURRENT: 800/266; 435/69.1, 435/70.1, 800/306, 800/314, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMIC	Draw Desc
Image											

☐ 35. Document ID: US 5180873 A

L4: Entry 35 of 38

File: USPT

Jan 19, 1993

US-PAT-NO: 5180873

DOCUMENT-IDENTIFIER: US 5180873 A

TITLE: Transformation of plants to introduce closely linked markers

DATE-ISSUED: January 19, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jorgensen; Richard A.	Berkeley	CA		

US-CL-CURRENT: 800/266; 435/183, 435/69.1, 47/DIG.1, 800/274, 800/298, 800/303

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C	Draw Desc
Image											

☐ 36. Document ID: US 4520103 A

L4: Entry 36 of 38

File: USPT

May 28, 1985

US-PAT-NO: 4520103

DOCUMENT-IDENTIFIER: US 4520103 A

TITLE: Microbial production of indigo

DATE-ISSUED: May 28, 1985

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ensley, Jr.; Burt D.	Thousand Oaks	CA		

US-CL-CURRENT: 435/121; 435/320.1, 435/488, 435/849, 435/877

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C	Draw Desc
Image											

☐ 37. Document ID: WO 9611283 A1

L4: Entry 37 of 38

File: EPAB

Apr 18, 1996

PUB-NO: WO009611283A1

DOCUMENT-IDENTIFIER: WO 9611283 A1

TITLE: COMPOSITIONS AND METHODS FOR DETECTION OF 2,4-DICHLOROPHENOXYACETIC ACID AND RELATED COMPOUNDS

PUBN-DATE: April 18, 1996

INVENTOR-INFORMATION:

NAME	COUNTRY
CRAWFORD, RONALD L	
GU, YONGXIANG	
KORUS, ROGER A	
KNAEBEL, DAVID B	

INT-CL (IPC): C12 Q 1/00; C12 Q 1/26; C12 N 5/00EUR-CL (EPC): C12N009/02; C12Q001/26

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C	Draw Desc
Image											

☐ 38. Document ID: WO 200037480 A1 AU 200011339 A

L4: Entry 38 of 38

File: DWPI

Jun 29, 2000

DERWENT-ACC-NO: 2000-452174

DERWENT-WEEK: 200039

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TITLE: Novel naphthalene dioxygenase mutant having a specific amino acid substitution for preparing chiral diols for use in the polymer, resin, pharmaceutical or rubber industry and for carrying out bioremediation

INVENTOR: GIBSON, D; LEE, K ; PARALES, R ; RESNICK, S

PRIORITY-DATA: 1998US-105575P (October 26, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 200037480 A1	June 29, 2000	E	144	C07H021/02
AU 200011339 A	July 12, 2000		000	C07H021/02

INT-CL (IPC): C07 H 21/02; C07 H 21/04; C12 N 9/00; C12 N 9/02; C12 N 15/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC	Draw Desc
Image											

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Terms	Documents
dioxygenas\$3 same (toluen\$3 or naphthal\$4 or aroma\$3 or phenyl\$3) same (alph\$3 or subuni\$3)	38

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